App No.: Not Yet Assigned Docket No.: 146712004900

Inventor: Erol GIRT et al.

Title: LONGITUDINAL MAGNETIC MEDIA HAVING A

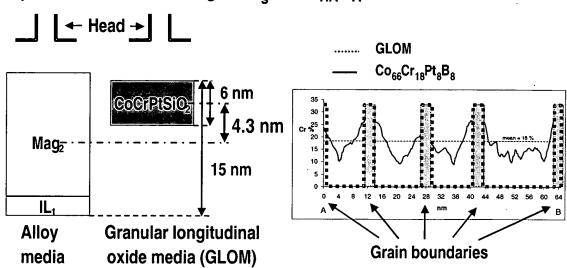
GRANULAR MAGNETIC LAYER

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Figure 1

Major differences: Granular longitudinal oxide media (GLOM) and alloy media

- 1) Head media separation improved 4.3 nm due to higher M_s
- 2) Improved segregation $\sigma_{\text{HA}}/\text{H}_{\text{A}}$ reduced from 0.11 to 0.04

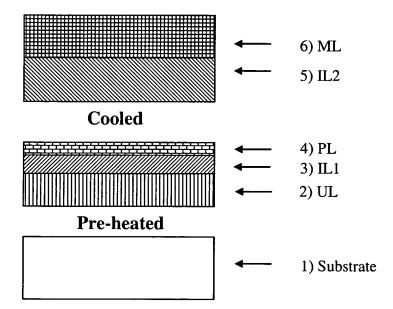


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Figure 2

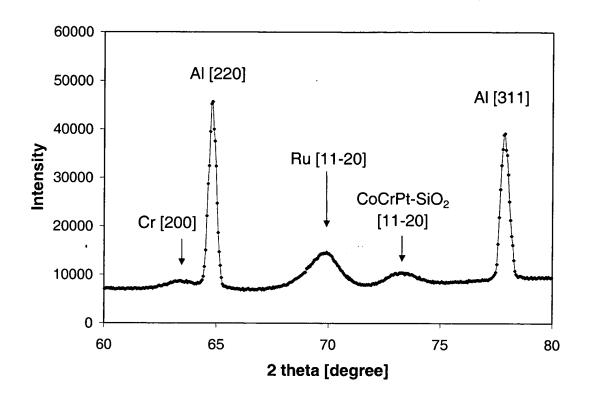


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Figure 3



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GRANULAR MAGNETIC LAYER

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Figure 4

